

**Project Planning Phase**  
**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

|               |  |
|---------------|--|
| Date          | 18-11- 2022  |
| Team ID       | PNT2022TMID50339   |
| Project Name  | VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning |
| Maximum Marks | 4 Marks  |

**Sprint Delivery Plan**

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

| <b>Sprint</b> | <b>Total Story Points</b> | <b>Duration</b> | <b>Sprint Start Date</b> | <b>Sprint End Date(Planned)</b> | <b>Story Points Completed (as on Planned End Date)</b> | <b>Sprint Release Date(Actual)</b> |
|---------------|---------------------------|-----------------|--------------------------|---------------------------------|--|------------------------------------|
| Sprint-1      | 8                         | 6 Days          | 25 -10-2022              | 30-10-2022                      | 5  | 30-10-2022                         |
| Sprint-2      | 14                        | 6 Days          | 31-10- 2022              | 05-11-2022                      | 11   | 05-11-2022                         |
| Sprint-3      | 16                        | 6 Days          | 06-11-2022               | 12-11- 2022                     | 10   | 12-11-2022                         |
| Sprint-4      | 12                        | 6 Days          | 14-11-2022               | 19-11-2022                      | 12   | 19-11-2022                         |

**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

For Sprint-1 the Average Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 8 / 6 = 1.3V$

For Sprint-2 the Average Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 14 / 6 = 2.3V$

For Sprint-3 the Average Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 16 / 6 = 2.6V$

For Sprint-4 the Average Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 12 / 6 = 2.0V$

TOTAL TEAM AVERAGE VELOCITY = 2.08